Amendments to the Claims

Please amend the claims as set forth below. This listing of claims replaces the claims as filed.

1. (Currently Amended) A [laminar] <u>laminated</u> structure used for constructing walls, floors, or ceilings or doors comprising:

two external layers of a <u>non-metallic</u> material, at least one internal constraining layer, and

two or more internal layers of a viscoelastic glue separated by said at least one internal constraining layer.

- 2. (Currently Amended) <u>The laminated structure</u> [[Structure]] as in claim 1, wherein the constraining layer comprises metal.
- 3. (Currently Amended) <u>The laminated structure</u> [[Structure]] as in Claim 1, wherein said two external layers comprise each a selected thickness gypsum board layer.
- 4. (Currently Amended) The laminated structure [[Structure]] as in Claim 3, wherein said glue comprises a viscoelastic material capable of absorbing sound.
- 5. (Currently Amended) The laminated structure [[Structure]] as in Claim 4, wherein said internal metal layer comprises a sheet metal layer of selected thickness.
 - 6. (Currently Amended) The laminated structure [[Structure]] as in Claim 5,

MacPherson Kwok Chen & Heid LLP 1762 Technology Drive, Suite 22 San Jose, CA 95110 Telephone: (408) 392-9250 Faxsimile: (408) 392-9262 wherein said sheet metal layer of selected thickness comprises galvanized steel.

7. (Currently Amended) A [laminar] <u>laminated</u> structure comprising:

at least one internal layer of a selected material;

two internal layers of a viscoelastic glue, one such layer on each side of said internal layer; and

at least one additional layer on the other side of each internal layer of viscoelastic glue.

- 8. (Currently Amended) The laminated structure [[Structure]] as in claim 7 wherein said at least one additional layer comprises an external layer of a first sound absorbing material.
- 9. (Currently Amended) The laminated structure [[Structure]] as in claim 8 wherein said external layer of a first sound absorbing material comprises gypsum.
- 10. (Currently Amended) The laminated structure [[Structure]] as in claim 8 wherein said at least one external layer comprises a plurality of layers of selected materials.
- 11. (Currently Amended) The laminated structure [[Structure]] as in claim 10 wherein said plurality of layers of selected materials comprise:
 - a first layer of metal;
 - a second layer of viscoelastic glue; and

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12. (Currently Amended) The laminated structure [[Structure]] as in claim 11

wherein said third layer of selected material comprises gypsum.

13. (Currently Amended) The laminated structure [[Structure]] as in claim 7

wherein said at least one internal layer comprises a metal layer.

14. (Currently Amended) The laminated structure as [[Structures]] in claim 7

wherein said at least one internal layer comprises [[a layer of]] a cellulose material [[such as

wood]].

15. (Currently Amended) The laminated structure as [[Structures]] in claim 7

wherein said at least one internal layer comprises a layer of a solid petroleum-based synthetic

material [[such as]] selected from the group consisting of a vinyl, plastic composite, or rubber.

16. (Withdrawn) The method of forming a laminar structure which comprises:

providing a layer of first material having two surfaces;

placing a layer of viscoelastic glue onto one surface of said layer of first

material;

placing a layer of a second material over said viscoelastic glue;

pressing said layer of second material against said layer of viscoelastic glue

and said layer of first material for a selected time; and

MacPherson Kwok Chen & Heid LLP 1762 Technology Drive, Suite 226 San Jose, CA 95110 Telephone: (408) 392-9250 drying said layer of second material, said layer of first material and said viscoelastic glue.

17. (Withdrawn) The method of claim 16, including:

providing an internal layer of material or multiple layers of selected materials; forming a layer of viscoelastic glue on each of what are to be internal surfaces of two or more laminar structures formed using the steps of claim 16;

placing two or more such laminar structures with the two or more to-be internal surfaces adjacent said internal layer or said multiple layers;

pressing the composite structure formed in the preceding step at a selected pressure for a selected time; and

drying the composite structure being pressed.

- 18. (Withdrawn) The method of claim 16 wherein said first material comprises a metal layer, and said second material comprises a gypsum layer.
- 19. (Withdrawn) The method of claim 17 wherein said internal layer comprises a cellulose-based layer such as any wood.
 - 20. (Withdrawn) The method of claim 17 wherein said cellulose layer is wood.
- 21. (Withdrawn) The method of claim 17 wherein said internal layer comprises a layer selected from the group consisting of vinyl, plastic composite, and rubber.

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- 22. (Withdrawn) The method of claim 18 wherein said internal layer comprises a metal layer selected from the group consisting of galvanized steel, stainless steel, aluminum, titanium, and a composite of two or more metals.
- 23. (Withdrawn) The method of claim 22 wherein said metal layer comprises galvanized steel.
- 24. (Currently Amended) The laminated structure [[Structure]] as in claim 1 wherein the internal constraining layer [[is]] comprises a cellulose material [[product, such as wood]].
- 25. (Currently Amended) <u>The laminated structure</u> [[Structure]] as in claim 24 wherein said cellulose [[product]] <u>material</u> is wood.
- 26. (Currently Amended) <u>The laminated structure</u> [[Structure]] as in claim 1 wherein said at least one internal constraining layer is selected from the group consisting of cellulose, wood, metal, plastic, vinyl, plastic composite and rubber.
 - 27. (Withdrawn) The method of forming a laminar structure which comprises:

 providing a layer of first material having two surfaces;

 placing a layer of viscoelastic glue onto one surface of said layer of first material;

MacPherson Kwok Chen & Heid LLP 1762 Technology Drive, Suite 220 San Jose, CA 95110 Telephone: (408) 392-9250 Facsimile: (408) 392-9262 placing a layer of a second material, which is 1/100th to 1/2 the thickness of

the first material over said viscoelastic glue;

pressing said layer of second material against said layer of viscoelastic glue

and said first material for a selected time; and

drying said layer of second material, said layer of first material and said

viscoelastic glue.

28. (Withdrawn) The method of claim 27 wherein said first material comprises a

gypsum layer, and said second material comprises a metal layer.

29. (Withdrawn) The method of claim 27 wherein said first material comprises a

gypsum layer, and said second material comprises a layer selected from the group consisting

of plastic and a plastic composite layer.

30. (Withdrawn) The method of claim 27 wherein said first material comprises a

gypsum layer, and said second material comprises a layer selected from the group consisting

of vinyl and rubber.

31. (Withdrawn) The method of claim 27 wherein said first material comprises a

gypsum layer, and said second material comprises a layer selected from the group consisting

of cellulose-based material and wood.

32. (Withdrawn) The method of claim 27 wherein said first material comprises a

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layer selected from the group consisting of a cellulose-based material and wood, and said second material comprises a metal.

33. (Withdrawn) The method of claim 27 wherein said first material comprises a material selected from the group consisting of a cellulose-based material and a wood layer, and said second material comprises a material selected from the group of materials consisting of a petroleum-based plastic composite and a petroleum-based rubber layer.

34. (Withdrawn) The method of claim 27 wherein said first material comprises a layer selected from the group consisting of a cellulose-based material and wood, and said second material comprises a layer selected from the group consisting of a petroleum-based plastic composite, vinyl and rubber.

35. (Withdrawn) The method of forming a laminar structure which comprises: providing a layer of first material having two surfaces;

placing a layer of viscoelastic glue onto one surface of said layer of first material;

placing a layer of a second material over said viscoelastic glue;

pressing said layer of second material against said layer of viscoelastic glue and said first material for a selected time; and

drying said layer of second material, said layer of first material and said viscoelastic glue.

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- 36. (Withdrawn) The method of claim 35 wherein the two exterior layers are symmetric, made of the exact same type of material, and having the exact same density and thickness.
- 37. (Withdrawn) The method of claim 35 wherein the two exterior layers are non-symmetric, made of other than the exact same type of material, and having other than the exact same density and thickness.
- 38. (Withdrawn) The method of claim 35 wherein the two or more interior layers are symmetric, made of the same type of material, and having the same density and thickness.
- 39. (Withdrawn) The method of claim 35 wherein the two or more interior layers are non-symmetric, made of other than the exact same type of material, and having other than the same density and thickness.
- 40. (Currently Amended) A [[laminar]] <u>laminated</u>, sound-absorbing structure which comprises:
 - a layer of first <u>non-metallic</u> material having two surfaces, <u>one of said two</u> surfaces comprising an outer surface;
 - a layer of viscoelastic glue on the other of said two surfaces one surface of said layer of first material; and
 - a layer of a second material over said viscoelastic glue.

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